

Applicant: Phillips et al.
Application Serial No. 09/735,363
Amendment and Response to Non-Final Office Action
Page 3 of 7

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A composition, comprising a 2 to 20 base 3'-OH, 5'-OH synthetic phosphodiester nucleotide sequence, ~~wherein the nucleotide sequence consists of a sequence selected from the group consisting of $(G_xT_y)_n$, $(T_yG_x)_n$, $a(G_xT_y)_n$, $a(T_yG_x)_n$, $(G_xT_y)_nb$, $(T_yG_x)_nb$, $a(G_xT_y)_nb$, and $a(T_yG_x)_nb$, wherein x and y are each an integer between 1 and 7, n is an integer between 1 and 12, a and b are one or more As, Cs, Gs or Ts, provided bases in the sequence are between 2 and 20 in total, and a pharmaceutically acceptable carrier, wherein the synthetic phosphodiester nucleotide sequence is selected from the group consisting of SEQ ID NOs:8-10, 25, 26, 41-43, 45 and 46.~~

2-4. (Cancelled)

5. (Previously presented) The composition of Claim 1, further comprising a chemotherapeutic agent.

6-9. (Cancelled)

10. (Previously presented) The composition of Claim 5, wherein the chemotherapeutic agent is an antimetabolite, an alkylating agent, or a hormone antagonist.

11-58. (Cancelled)

59. (New) The composition of Claim 1, wherein the synthetic phosphodiester nucleotide sequence is SEQ ID NO:8.

ATLLIB02 167818.1

Applicant: Phillips et al
Application Serial No. 09/735,363
Amendment and Response to Non-Final Office Action
Page 4 of 7

60. (New) The composition of Claim 1, wherein the synthetic phosphodiester nucleotide sequence is SEQ ID NO:9.

61. (New) The composition of Claim 1, wherein the synthetic phosphodiester nucleotide sequence is SEQ ID NO:10.

62. (New) The composition of Claim 1, wherein the synthetic phosphodiester nucleotide sequence is SEQ ID NO:25.

63. (New) The composition of Claim 1, wherein the synthetic phosphodiester nucleotide sequence is SEQ ID NO:26.

64. (New) The composition of Claim 1, wherein the synthetic phosphodiester nucleotide sequence is SEQ ID NO:41.

65. (New) The composition of Claim 1, wherein the synthetic phosphodiester nucleotide sequence is SEQ ID NO:42.

66. (New) The composition of Claim 1, wherein the synthetic phosphodiester nucleotide sequence is SEQ ID NO:43.

67. (New) The composition of Claim 1, wherein the synthetic phosphodiester nucleotide sequence is SEQ ID NO:45.

68. (New) The composition of Claim 1, wherein the synthetic phosphodiester nucleotide sequence is SEQ ID NO:46.

ATLLD02 16783K.1

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.